

FIG. 1A

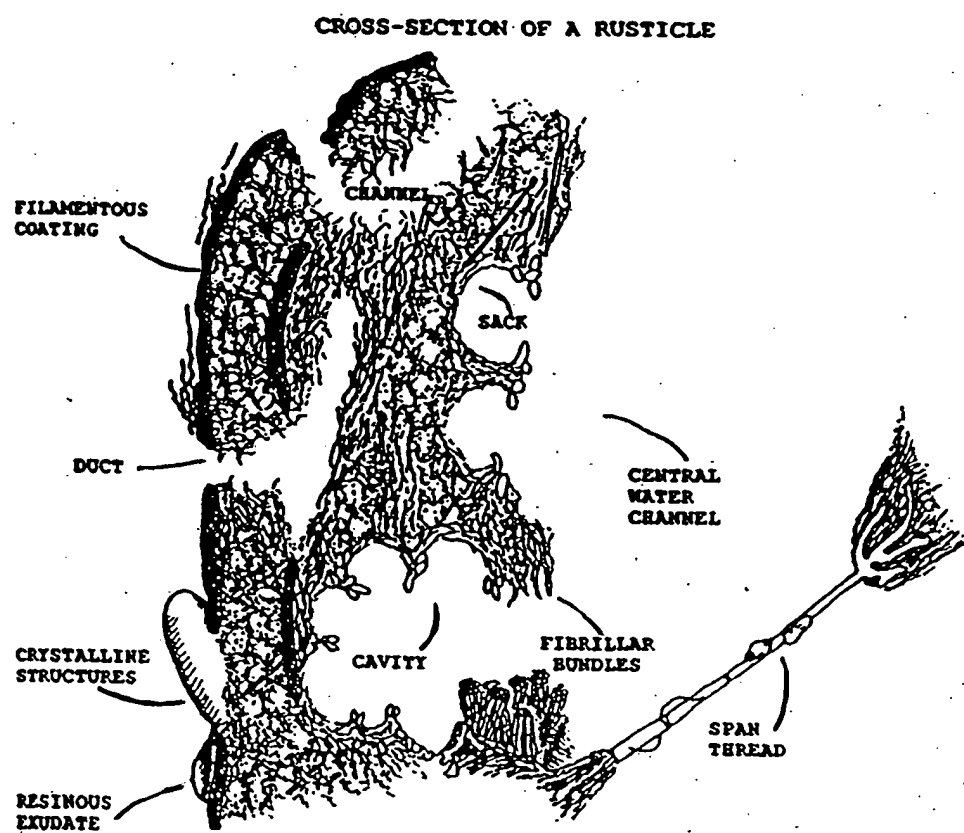


FIG. 1B

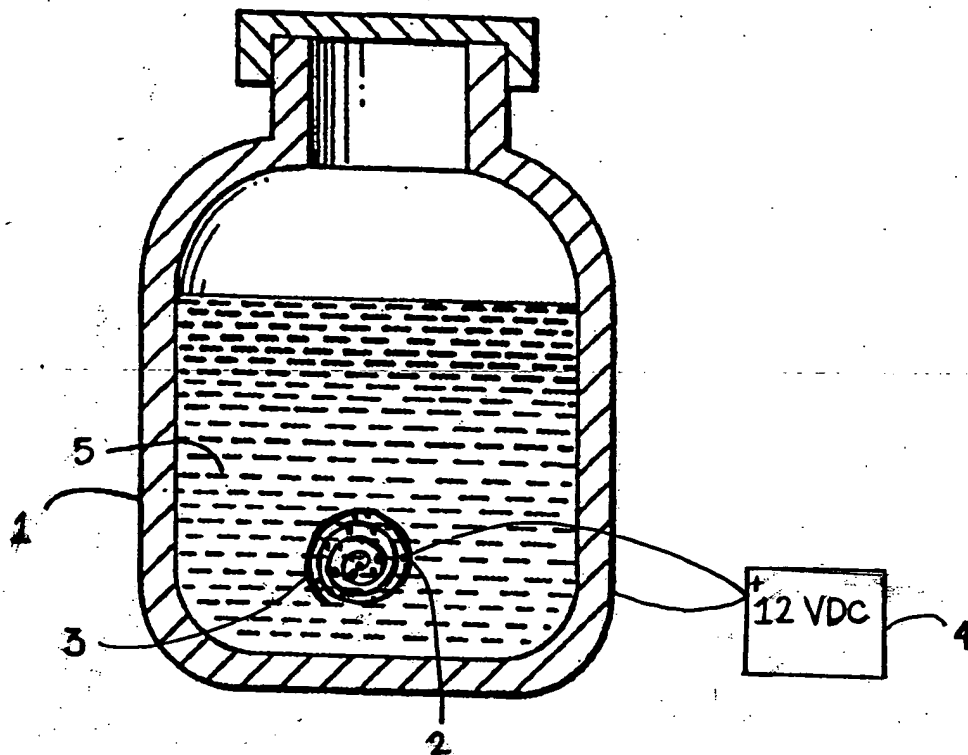


FIG. 2

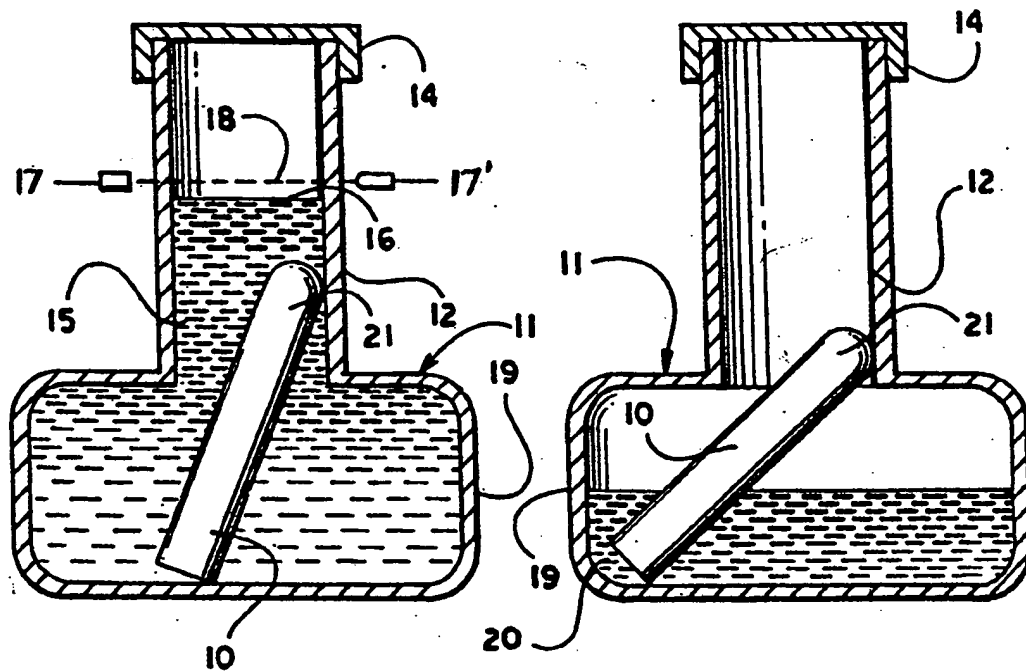


FIG. 3A

FIG. 3B

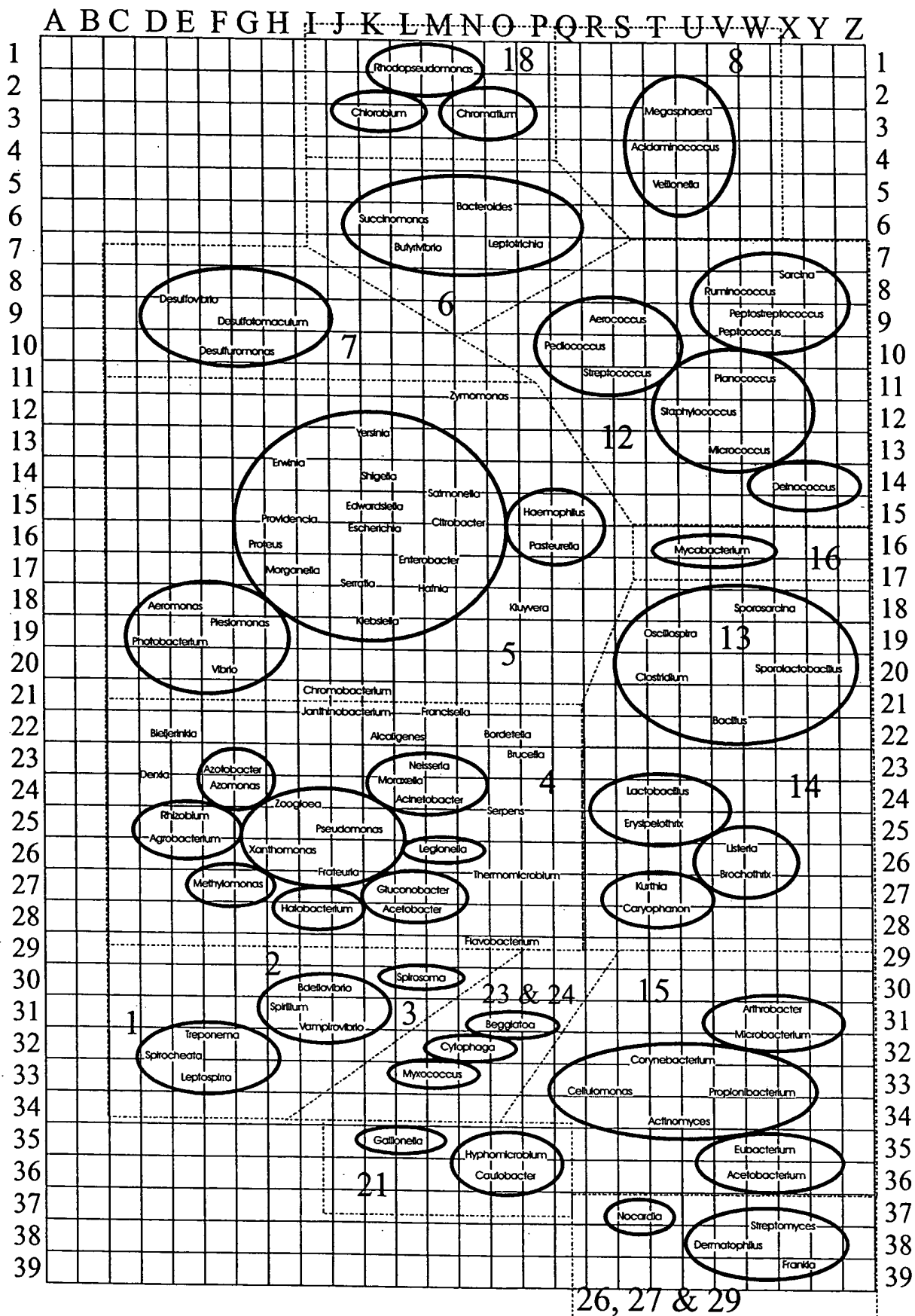


FIG. 4A

Fig. 4B– Provisional MCIC Designations

MCIC	Fig.	Consortium Name	Environment
F09-02	4C	Anaerobic SRB-BB	Reductive sulphur, water saturated
F09-10	4D	Aerobic SRB-BT	Oxidative sulphur, water saturated
F09-08	4E	Aerobic SRB-BT	High organic, transitional redox
K16-12	4F	Denitrifying bacteria	High nitrate reductive
K22-08	4G	Slime forming bacteria	High organic, saturated, low flow
L35-10	4H	Iron related bacteria	Oxidative, saturated, iron
J25-11	4I	Heterotrophic aerobic bacteria UP	Oxidative & transitional redox, organic, saturated
L17-14		Heterotrophic bacteria DO	Transitional redox, organic, saturated
T34-04		Mycelial bacteria	Transitional redox, organic, semi-saturated
M35-03		Iron bacteria	Oxidative, saturated, iron, low flow
L22-12		Black plug layer	Transitional and reductive redox, saturated or semi-saturated, porous

Note: Consortial name is defined by commonly accepted terminology. Environment is differentiated by known major factors such as redox (ORP), levels of organics and the degree of saturation of the environment with water.

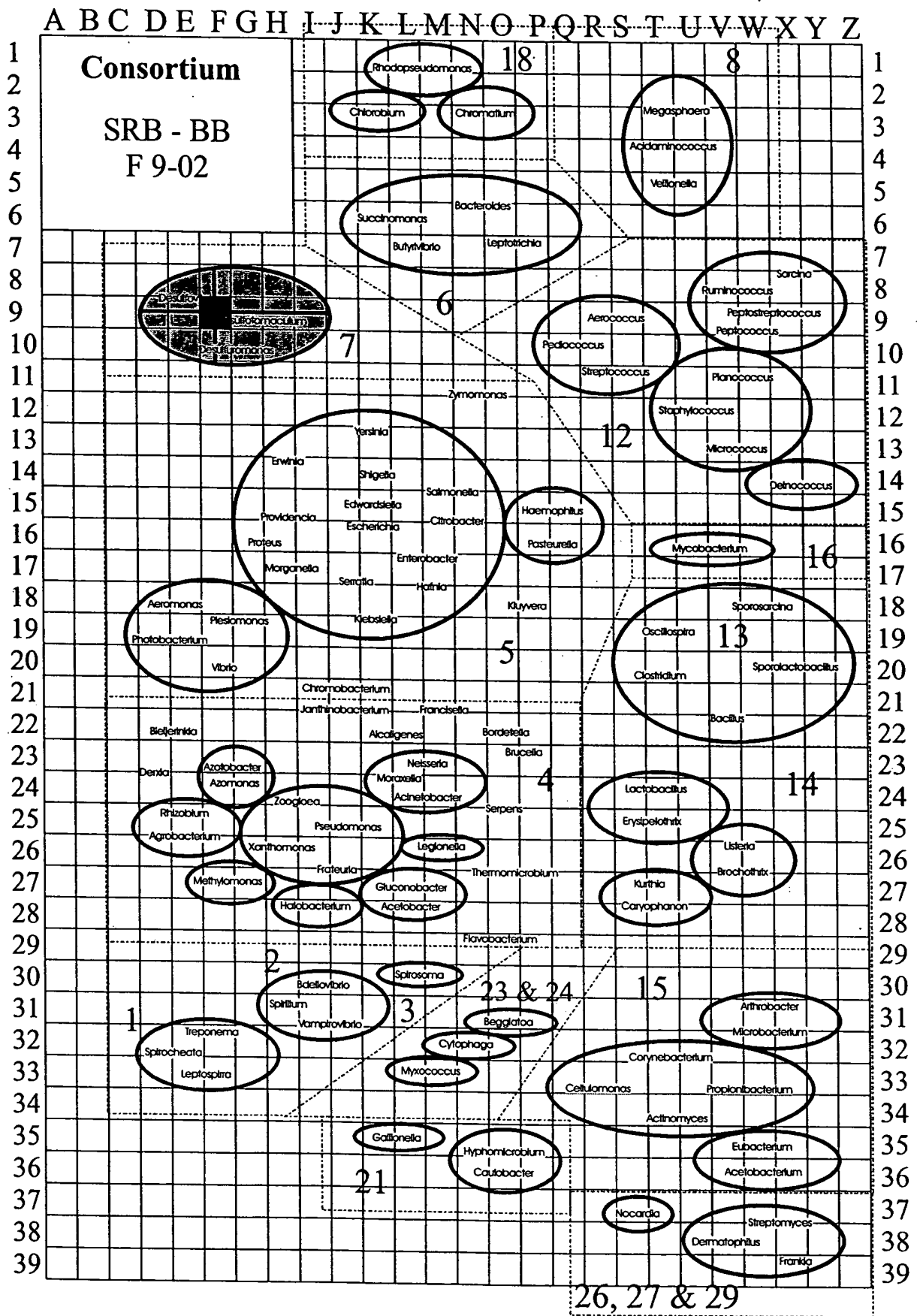
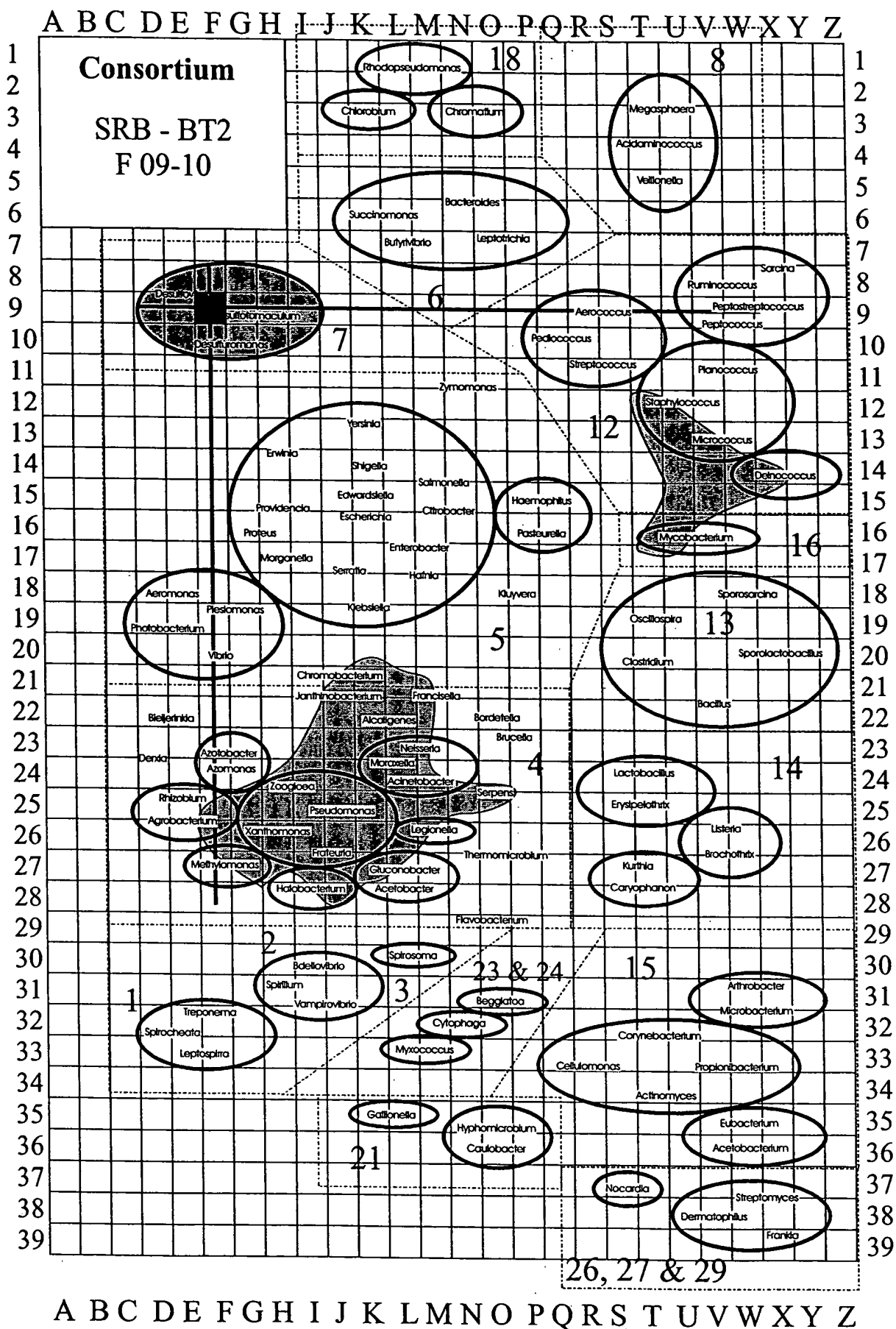


FIG. 4C



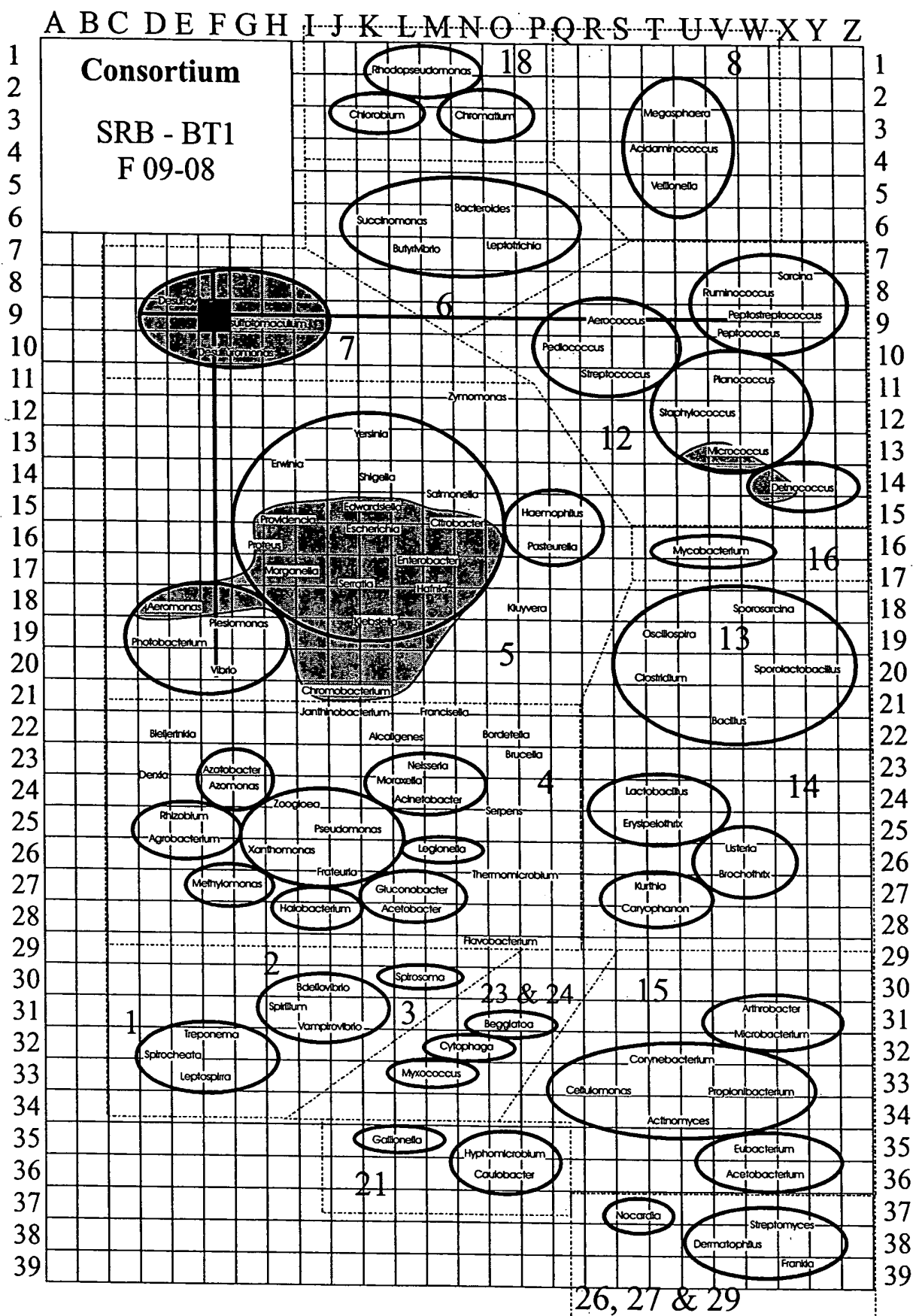
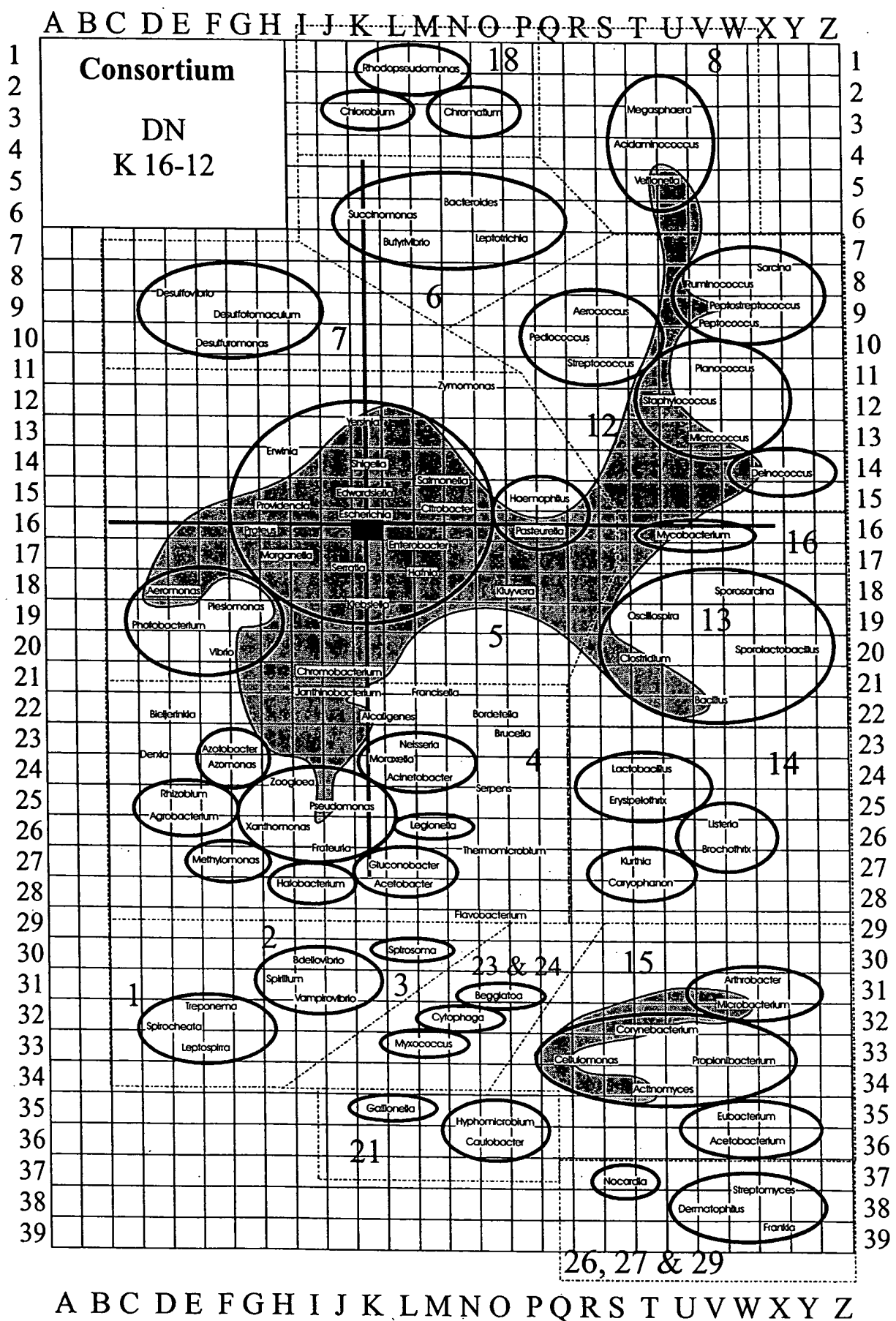


FIG. 4E



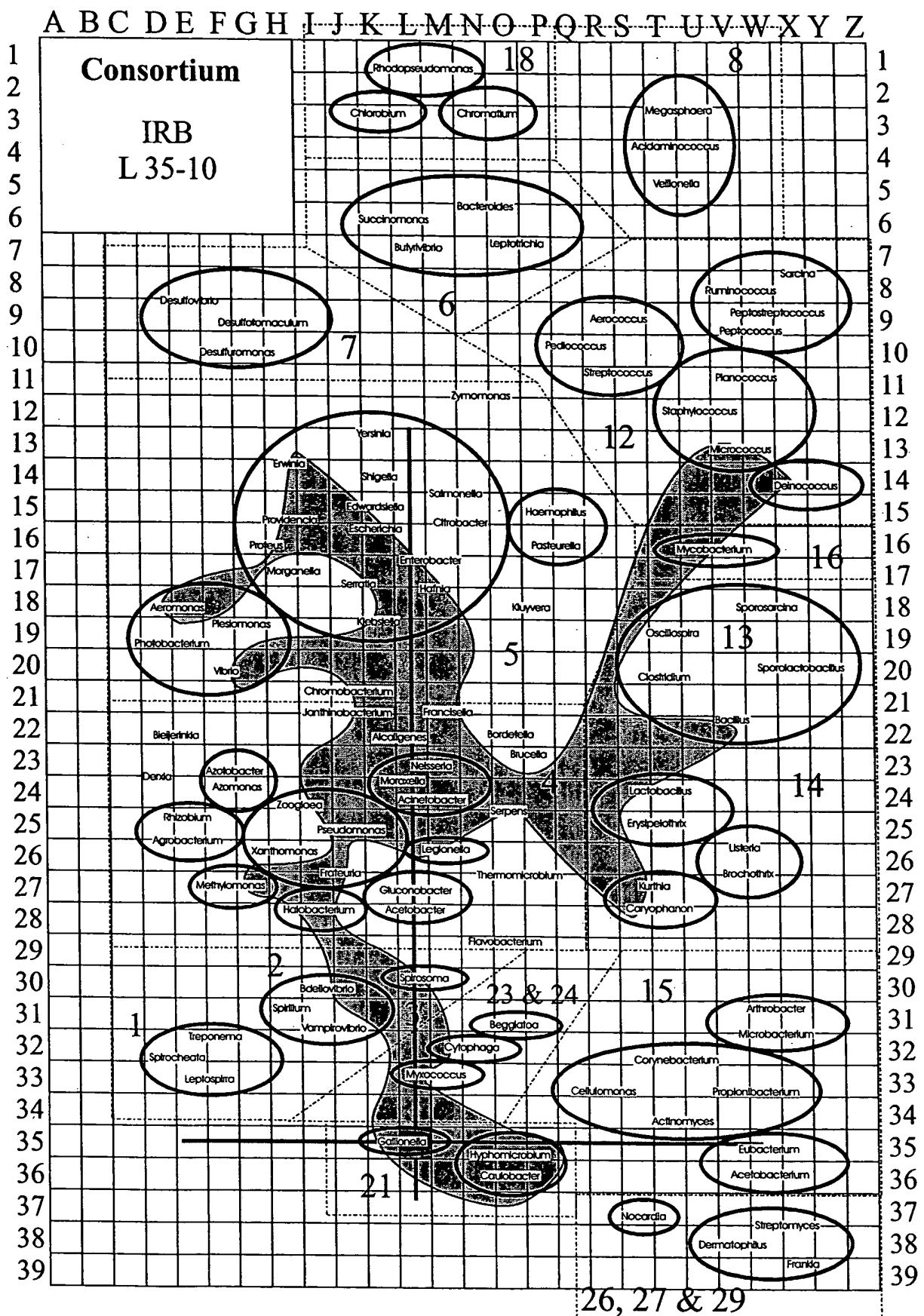


FIG. 4H

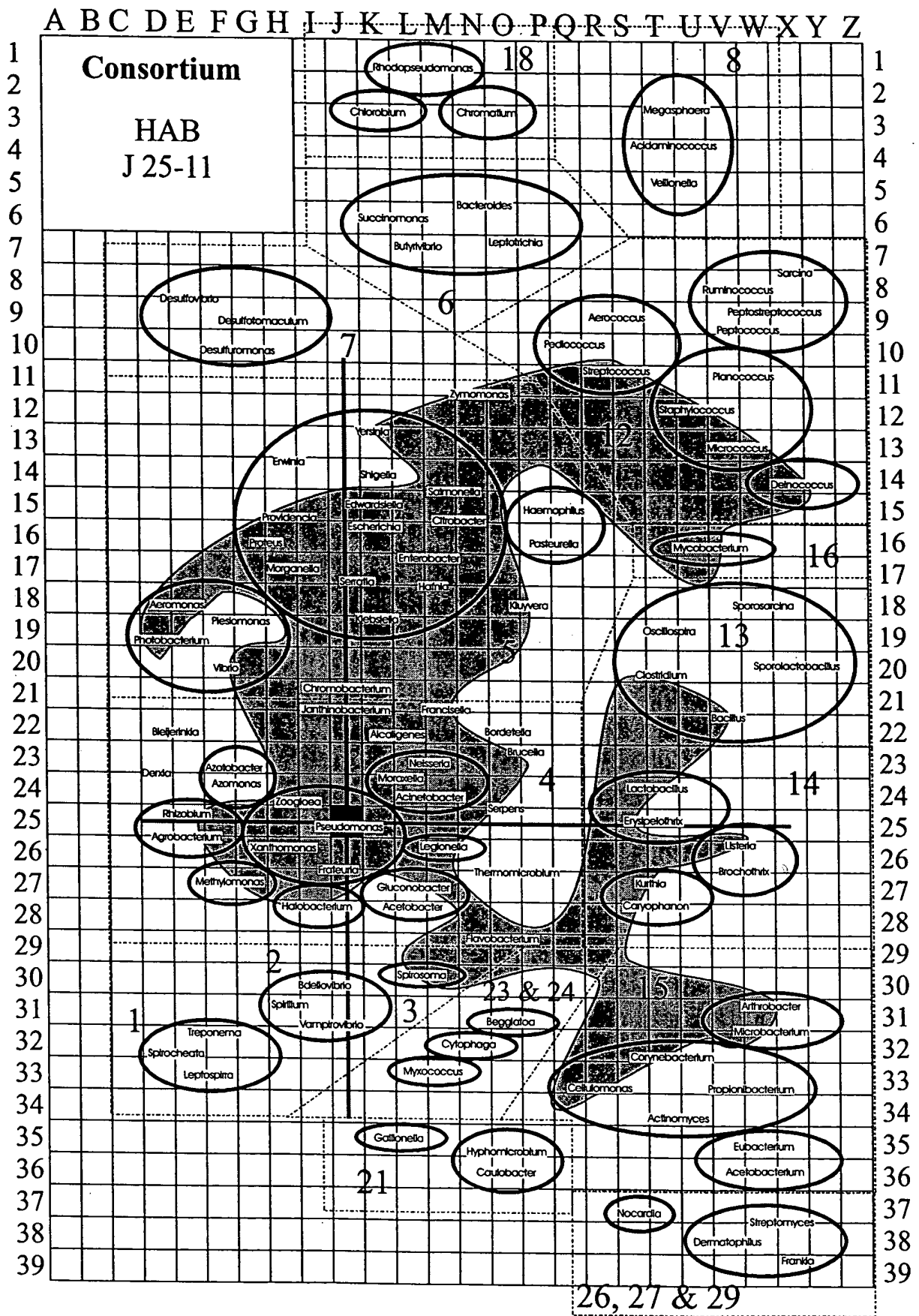


FIG. 41